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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/088,266	03/18/2002	Mitsuhiro Omae	SPO-0209	5107
23353	7590 01/14/2004	EXAMINER		
	HMAN & GRAUER I	TRAN, HUAN HUU		
LION BUILDING 1233 20TH STREET N.W., SUITE 501 WASHINGTON, DC 20036			ART UNIT	PAPER NUMBER
			2861	

DATE MAILED: 01/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

			THE WIY						
		Application	on No.	Applicant(s)		1.1			
Office Action Summary		10/088,26	6	OMAE, MITSUHIRO		W			
		Examiner		Art Unit					
		Huan H. T		2861					
Period fo	The MAILING DATE of this communication apported in Reply	pears on the	cover sheet with the c	orrespondence ad	ddress				
THE I - Exter after - If the - If NO - Failu - Any r	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. Insions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. Period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period re to reply within the set or extended period for reply will, by statute eply received by the Office later than three months after the mailing adaptent term adjustment. See 37 CFR 1.704(b).	136(a). In no eve ly within the statu will apply and wi e, cause the appl	ent, however, may a reply be tin story minimum of thirty (30) day Il expire SIX (6) MONTHS from ication to become ABANDONE	nely filed s will be considered time the mailing date of this o D (35 U.S.C. § 133).	ely. communication				
1)	Responsive to communication(s) filed on								
2a)□	This action is FINAL . 2b)⊠ This	action is no	on-final.						
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims								
4)🖂	Claim(s) <u>1-40</u> is/are pending in the application	١.							
·	4a) Of the above claim(s) <u>1-16</u> is/are withdrawn from consideration.								
5)⊠	Claim(s) <u>37-40</u> is/are allowed.								
6)⊠	Claim(s) <u>17,18,25,26,28 and 29</u> is/are rejected.								
7)⊠	Claim(s) 19-24,27 and 30-36 is/are objected to	0.							
8)	Claim(s) are subject to restriction and/o	or election re	equirement.						
Applicat	ion Papers								
,	The specification is objected to by the Examine								
10)⊠	☑ The drawing(s) filed on 18 March 2002 is/are: a)☑ accepted or b)☐ objected to by the Examiner.								
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
	Replacement drawing sheet(s) including the correct					1).			
11)	The oath or declaration is objected to by the E	xaminer. No	ote the attached Office	Action or form P	TO-152.				
-	under 35 U.S.C. §§ 119 and 120								
* \$ 13)	Acknowledgment is made of a claim for foreig All b) Some * c) None of: 1. Certified copies of the priority documen 2. Certified copies of the priority documen 3. Copies of the certified copies of the priority documen application from the International Burea See the attached detailed Office action for a list Acknowledgment is made of a claim for domest ince a specific reference was included in the first 7 CFR 1.78. 1) The translation of the foreign language procedures a claim for domest acknowledgment is made of a claim for domest acknowledgment acknowledgment is made of a claim for domest acknowledgment acknowle	ts have bee ts have bee ority docume ou (PCT Rul t of the certi tic priority un est sentence ovisional ap tic priority u	n received. n received in Applicatents have been received in 17.2(a). fied copies not received and a 18.5. S. S. 119(a) of the specification of the specific	ion No ed in this National ed. e) (to a provisional r in an Application ceived.) and/or 121 since	al applicati n Data She e a specific	eet.			
2) Notic	ce of References Cited (PTO-892) the of Draftsperson's Patent Drawing Review (PTO-948) the mation Disclosure Statement(s) (PTO-1449) Paper No(s)	·	4) Interview Summary 5) Notice of Informal F 6) Other:			Make the same statement			

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DETAILED ACTION

Election/Restrictions

1. Applicant's election with traverse of Group III, claims 17-40 in Paper No. 8 is acknowledged. The traversal is on the ground(s) that the subject matter of all claims is sufficiently related that a search of the subject matter of any one group of claims would necessarily encompass a search for the subject matter of the remaining claims without serious burden. This is not found persuasive because the argument made is conclusionary in nature without any supporting evidence. The basis for the requirements of unity of invention can be found in the European Search Report submitted in the IDS filed on 12/30/2002, as well as the European Search Report submitted in the IDS filed on 03/12/2003.

The requirement is still deemed proper and is therefore made FINAL.

Priority

2. Acknowledgment is made of applicant's claim for foreign priority based on two applications filed in Japan on 09/20/1999 and 10/15/1999. It is noted, however, that the USPTO has not received from the International Bureau a copy of the certified copy of JP 11/294069 filed on 10/15/1999. It is requested that Applicant provides the USPTO with a photocopy of the certified copy of the above-identified priority application. Claim Rejections - 35 USC §

102

3. The following is a quotation of the appropriate paragraphs of 35
U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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4. Claims 17, 18, 25, 26, 28, 29 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Bizen (JP 10-226102 cited in the IDS filed on 03/12/2003).

As to claim 17, Bizen discloses a driving IC device (1) for supplying a driving current to a light-emitting device having a plurality of light-emitting parts arranged in a row, the driving IC device comprising:

n first output terminals DO1-DO96 each connected to one terminal of m light-emitting parts and a first drive section (2) connected to the first output terminals,

wherein the first drive section comprises:

a data signal storage circuit (4) for storing at least $n \times m$ data signals fed in sequentially via r input terminals,

a data selecting circuit (11) for selecting and extracting, in groups of n, the data signals stored in the data signal storage circuit, and a drive circuit (05) for outputting drive signals individually to the first output terminals on a basis of the data signals selected by the data selecting circuit.

As to claim 18, Bizen further discloses m second output terminals CD-O to CD-E each connected to another terminal of n light-emitting parts and a second drive section (3) for selectively connecting one of the second output terminals to a predetermined potential.

As to claim 25, Bizen discloses a driving IC device for supplying a driving current to a light-emitting device having a plurality of light-emitting parts arranged in a row, the driving IC device comprising n first output terminals DO1-DO96 each connected to one terminal of m

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light-emitting parts, m second output terminals CD-O to CD-E each connected to another terminal of n light-emitting parts, a first drive section (2) connected to the first output terminals, a second drive section (3) connected to the second output terminals, and a timing control circuit, wherein the first drive section comprises:

a data signal storage circuit (4) for storing at least $n \times m$ data signals fed in sequentially via r input terminals,

a data selecting circuit (11) for selecting and extracting, in groups of n, the data signals stored in the data signal storage circuit on a basis of m division timing signals fed from the timing control circuit, and

a drive circuit (5) for outputting drive signals individually to the first output terminals on a basis of the data signals selected by the data selecting circuit, and the second drive section switches sequentially among the m second output terminals 5 on a basis of the m division timing signals

As to claim 26, Bizen further teaches the limitation that the number ${\bf r}$ of input terminals is equal to the number ${\bf m}$ of second output terminals.

As to claim 28, Bizen further teaches the limitation that the driving IC device is for driving a light-emitting device having m or less groups of n light-emitting parts group by group on a time-division basis.

As to claim 29, Bizen teaches an optical print head comprising a light-emitting device having a plurality of light-emitting parts and a

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driving IC device for supplying a driving current to the lightemitting parts of the light-emitting device, wherein the light-emitting
device comprises n first electrodes each connected to one terminal of a
plurality of light-emitting parts, the driving IC device comprises n
first output terminals DO1-DO96 connected individually to the first
electrodes of the light-emitting device and a first drive section (2)
for outputting the driving current via the first output terminals, and
the first drive section (2) comprises a data signal storage circuit (4)
for storing at least n x m data signals fed in sequentially via r input
terminals, a data selecting circuit (11) for selecting and extracting,
in groups of n, the data signals stored in the data signal storage
circuit, and a drive circuit (05) for outputting drive signals
individually to the first output terminals on a basis of the data
signals selected by the data selecting circuit.

Allowable Subject Matter

- 5. Claims 37-40 are allowed.
- 6. Claims 19-24, 27, 30-36 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 7. The following is a statement of reasons for the indication of allowable subject matter: Prior art of record do not teach or suggest the claimed subject matter of the claims indicated allowable above.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huan H. Tran whose telephone number is (703) 308-0749. The examiner can normally be reached on M-F with Monday off, from 7:30am to 6pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stepphen Meier can be reached on (703) 308-4896. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1749.

Huan H. Tran Primary Examiner Art Unit 2861

hht 01/10/2004